Figure 1: General Chemical Structure of the Aryl Acrylic Monomers of this Invention.

$$CH_2 = C - CO_2 - (CH_2)_n - Ar$$

R

R: can be H or CH_{3;}

n: can be 0 to 7;

Ar: is aromatic ring with or without substituted functional groups such as O, S, NR, F, Cl, Br, I, OCH₃, alkyl groups (e.g., CH₃, CH₂CH₃, etc.)

Figure 2: General Chemical Structure of the Surface processed

Biocompatible Hydrophilic Polymer of this Invention.

$$R_1$$
- $(CH_2$ - $CH)_m$ - R_2
 OH

R₁ & R₂: are functional groups such as NR, F, Cl, Br, I, OCH₃, H, CH₃, CH₂CH₃, etc.

m: can be 10 to 1000;